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Substitute for form 1449A/PTO

**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	10/812,726
Filing Date	March 30, 2004
First Named Inventor	Kayvan Najarian et al.
Art Unit	1631
Examiner Name	Zhou, Shubo
Attorney Docket Number	46872-293662

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
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NON PATENT LITERATURE DOCUMENTS

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12	1	JOLLIFFE, I. T, Principal Component Analysis, New York: Springer-Verlag, 1986	

Examiner
SignatureDate
Considered

1/29/05

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Examiner Name	Zhou, Shubo
Attorney Docket Number	46872-293662 (UNCC 02-031)

(Use as many sheets as necessary)

Sheet	1	of	8
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Sheet 2

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<i>AS</i>	6	BACK, A. D. et al. "A First Application of Independent Component Analysis to Extracting Structure From Stock Returns," Int. J. Neural Syst., 8:5, October, 1997	
<i> </i>	7	BASSETT, D. E. Jr. et al., "Gene Expression Informatics - It's All In Your Mine," Nat Genet. 1999 January 1999, 21 (1 Suppl):51-5	
	8	BLOHM, D. H. et al., "New Developments in Microarray Technology," Curr. Opin. Biotechnol., 12:41-47, 2001	
	9	BRAZMA, A. et al., "Gene Expression Data Analysis," FEBS Lett. 2000 Aug. 25, 480(1):17-24	
	10	CHEUNG, V. G. et al., "Making and Reading Microarrays," Nat Genet. 1999 Jan. 21 (1 Suppl):15-9	
	11	CHO, R. J., et al., "A Genome-Wide Transcriptional Analysis of the Mitotic Cell Cycle," Molecular Cell, 2:65-73, July 1998	
	12	DARVISH, A. et al., A Hierarchical System Identification Technique for Modeling and Analysis of Dynamic Pathways," Bioinformatics, May 2004	
	13	DARVISH, A. et al., "Discovering Dynamic Regulatory Pathway by Applying an Auto Regressive Model to Time Series DNA Microarray Data," IEEE Engineering in Medicine and Biology Society (IEEE/EMBS), Sept. 1-5, 2004	
	14	DEVAUX, F. et al., "Transcriptomes, Transcription Activators and Microarrays," FEBS Lett. 2001 Jun 8, 498(2-3):140-4	
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<i>AS</i>	16	DUGGAN, D. J. et al., "Expression Profiling Using cDNA Microarrays," Nat Genet. 1999 Jan. 21 (1 Suppl):10-4	



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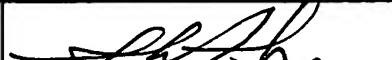
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Sheet 3 of 8	Attorney Docket Number	46872-293662 (UNCC 02-031)	

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	17	GREENBERG, S. A., "DNA Microarray Gene Expression Analysis Technology and Its Application to Neurological Disorders," Neurology, 2001 Sept 11; 57(5):755-61	
	18	HACIA, J. G., "Resequencing and Mutational Analysis Using Oligonucleotide Microarrays," Nat Genet. 1999 Jan. 21(1 Suppl):42-7	
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	20	HEGDE, P. et al., "A Concise Guide to cDNA Microarray Analysis - II," Biotechniques, 29(3), Sept. 2000, 548-562	
	21	HOLLOWAY, A. J. et al., "Options Available - From Start to Finish - for Obtaining Expression Data by Microarray," Nat Genet. 32, December 2002, 481-9 (1 Suppl)	
	22	HORI, G. et al., "Blind Gene Classification on ICA or Microarray Data," ICA 2001 meeting, San Diego, U. S. A., pp. 332-336, 2001	
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	24	LEE, S. I. et al., "Application of Independent Component Analysis to Microarrays," Genome Biology, Vol. 4, No.R76, October 24, 2003	
	25	LIEBERMEISTER, W., "Linear Modes of Gene Expression Determined by Independent Component Analysis," Bioinformatics, 18:1, pp. 51-60, 2002	
	26	MAKEIG, S. et al., "Independent Component Analysis of Electroencephalographic Data," Proceedings of the Advances in Neural Information Processing Systems, Eds., Touretzky et al, MIT Press, pp. 145-151, 1996	
	27	NADON, R. et al., "Statistical Issues with Microarrays: Processing and Analysis," Trends Genet. 2002 May;18(5):265-71	
	28	NAJARIAN, K. et al., "Independent Component Analysis and Scoring Function Based on Protein Interactions," Proceedings of IEEE International Conference Intelligent Systems, June 2004	

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Sheet 4 of 8	Attorney Docket Number	46872-293662 (UNCC 02-031)	

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1A	29	PAJUNEN, P. et al., "Non-Linear Blind Source Separation by Self-Organizing Maps," Proc. Int. Conf. On Neural Information Processing, Hong Kong, pp. 1207-1210, 1996	
	30	QUACKENBUSH, J., "Computational Analysis of Microarray Data," Nat. Rev. Genet. 2001 Jun;2(6):418-27	
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	36	TORONEN, P. et al. "Analysis of Gene Expression Data Using Self-Organizing Maps," FEBS Lett. 1999 May 21;451(2):142-6	
	37	VIGARIO, R. N., "Extraction of Ocular Artefacts from EEG Using Independent Component Analysis," Electroenceph. Clin. Neurophysiol., 103:395-404, 1997	
1A	38	WU, T. D., "Analysing Gene Expression Data from DNA Microarrays to Identify Candidate Genes," J Pathol. 2001 Sep;195(1):53-65	

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IA	39	YEUNG, K. Y. et al., "Principal Component Analysis for Clustering Gene Expression Data," Bioinformatics, 2001 Sep;17(9):763-74	
	40	ZIV Bar-Joseph et al., "Comparing the Continuous Representation of Time-Series Expression Profiles to Identify Differentially Expressed Genes," Proc. Natl. Acad. Sci., U. S. A., 100:10146-10151, 2003	
	41	"Microarray Explorer Tool for Data Mining Gene Expression Patterns," web page at http://maexplorer.sourceforge.net/ as available via the internet and printed on November 2, 2003	
	42	"My Microarray Software Comparison - Image Analysis Software," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft_image.html as available via the internet and printed on November 2, 2003	
	43	"My Microarray Software Comparison - Data Mining Software," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft_mining.html as available via the internet and printed on November 2, 2003	
	44	"My Microarray Software Comparison - Data Preprocessing Software," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft_preprocess.html as available via the internet and printed on November 2, 2003	
	45	"My Microarray Software Comparison - Statistics Software and Technical Programming Languages," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft_statistics.html as available via the internet and printed on November 2, 2003	
	46	"My Microarray Software Comparison," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft.html as available via the internet and printed on November 2, 2003	
IA	47	"My Microarray Software Comparison - Data Mining Software (Turnkey/Enterprise System)," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft_mining_turnkey.html as available via the internet and printed on November 2, 2003	

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<i>A</i>	48	"My Microarray Software Comparison – Data Mining Software (Comprehensive Software)," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft_mining_comprehensive.html as available via the internet and printed on November 2, 2003	
<i> </i>	49	"My Microarray Software Comparison – Data Mining Software (Extension of Existing Data Mining Software)," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft_mining_extension.html as available via the internet and printed on November 2, 2003	
<i> </i>	50	"My Microarray Software Comparison – Network/pathway Reconstruction and Analysis Software," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft_pathway.html as available via the internet and printed on November 2, 2003	
<i> </i>	51	"My Microarray Software Comparison – R Packages for Microarray Analysis," web page at http://ihome.cuhk.edu.hk/~b400559/arraysoft_rpackages.html as available via the internet and printed on November 2, 2003	
<i> </i>	52	Affymetrix web page at http://www.biospace.com/company_profile.cfm?CompanyID=1271 as available via the internet and printed on February 23, 2004	
<i> </i>	53	An IMS Mini-Meeting on Imaging, Classification, and Clustering, Department of Statistics, University of Florida, January 11-12, 2002	
<i> </i>	54	Bioconductor web page at http://www.bioconductor.org/top.html as available via the internet and printed on November 2, 2003	
<i>A</i>	55	BioSieve Products - Microarray Data Analysis Software at http://www.biosieve.com/product.html as available via the internet and printed on November 2, 2003	

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A	56	Cluster Analysis on Microarray Data at web page http://www.cs.buffalo.edu/~djiang3/cluster.html as available via the internet and printed on November 10, 2003	
	57	Clustering Software web page at http://genetics.stanford.edu/~sherlock/cluster.html as available via the internet and printed on November 2, 2003	
	58	Cytoscape web page at http://www.cytoscape.org/ as available via the internet and printed on November 2, 2003	
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	62	Gene Expression Pattern Analysis Suite (GEPAS) at http://gepas.bioinfo.cnio.es/tools.html as available via the internet and printed on November 2, 2003	
	63	Gene Network Sciences, Simulating Life for Drug Discovery web page at http://www.gnsbiotech.com/biomine.shtml as available via the internet and printed on November 2, 2003	
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A	65	GeneMaths: GenExplore - High Throughput Analysis of Gene Expression Data at http://www.applied-maths.com/ge/ge_fr2.htm as available via the internet and printed on November 2, 2003	

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<i>R</i>	66	Genesis Description at http://genome.tugraz.at/Software/Genesis/Description.html as available via the internet and printed on November 2, 2003	
	67	Genotypic Technology: Genowizard -- Microarray Data Analysis System web page at http://www.genotypictech.com/genowizard.htm as available via the internet and printed on November 2, 2003	
	68	HumanaNow, "Statistical Issues in cDNA Microarray Data Analysis," web page at http://biomed.humanapress.com/ChapterDetail.pasp?isbn=1-59259-364-X&ccode=1-5925 as available via the internet and printed on November 2, 2003	
	69	IFMBE News: September 2002 web page at http://ifmbe-news.iee.org/ifmbe-news/sept2002/bucolo.html as available via the internet and printed on November 10, 2003	
	70	MPI Swarm Description http://genome.tugraz.at/Software/PathwayEditor/Description.html as available via the internet and printed on November 2, 2003	
	71	Partek Pattern Recognition Software web page at http://www.partek.com/html/products/products.html as available via the internet and printed on November 2, 2003	
	72	Rosetta Features web page at http://rosetta.lcb.uu.se/general/features.html as available via the internet and printed on November 2, 2003	
	73	SAS, web page at http://www.sas.com/contact/intro.html as available via the internet and printed on February 16, 2004	
	74	Silicon Genetics Products: GeneSpring; The Industry Leader web page at http://www.silicongenetics.com/cgi/SiG.cgi/Products/GeneSpring/index.smf as available via the internet and printed on November 2, 2003	
<i>R</i>	75	The MathWorks, web page at http://www.mathworks.com/company/contact.shtml as available via the internet and printed on February 16, 2004	

Examiner Signature		Date Considered	<i>2/3/05</i>
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